



IIT Research Institute
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Astro Sciences Center

November 24, 1965

Office of Manned Space Science
 NASA Headquarters
 Washington, D. C. 20546

FACILITY FORM 502

N66 81216
ACCESSION NUMBER

5
(PAGES)

CR69490
(NASA CR OR TMX OR AD NUMBER)

NONE
(THRU)
(CODE)

(CATEGORY)

Attention: Mr. W. B. Foster

Subject: Letter Report No. IITRI W6099-14
 October 1, 1965 through November 1, 1965
 Contract No. NASr-65(10)

Gentlemen:

1. Work Performed During Report Period (Please refer to attached task schedule for task titles).

Task I: a) Presentation was made to potential AAP infra red experimenters on IITRI parametric studies for non-imaging experiments-Lunar Orbiter, b) SM photographic experimental submissions were organized for a presentation to the Planetology Subcommittee of SSSC, c) Edited report of Radar Team meeting at Lawrence, Kansas, d) Work will continue in the coming period on the definitions of photographic, radar and IR experiments for SM.

Task II: Progressed with preliminary investigations of return data bulk from Lunar Orbiter imaging experiments-AAP. Particular emphasis was placed on the photographic experiments.

Task IV: a) Completed first milestone which is Report TM-12 "Preliminary Geological Analysis of Lunar Orbital Missions", b) Work is continuing in other phases of this study.

Task V: Revised position papers on micrometeorite, radiation hazards and site selection for the Apollo program, b) Continued revisions of Working Group Recommendations from 1965 NASA Summer Conference on Lunar Exploration.

Task VII: Prepared draft of guideline manual for test site ground services.

Task IX: a) Coordinated and analyzed with SM the flight mission assignment plans for early AAP flights, b) compiled in-flight experiment submittals indicating current status.

2. Trips

2.1 October 8, 1965 - NASA Headquarters

ASC

NASA

R. Dubinsky

W. Green
R. Reeves
P. Brockman

2.1.1 Subject: To discuss flight mission assignment plans for early AAP flights.

2.2 October 11, 1965 - Seattle, Washington

ASC

IITRI

NASA

M. Stein
R. Vickers

H. Betz

R. Lyon

2.2.1 Subject: To discuss IR parametric studies for early AAP flights.

2.3 October 12, 1965 - NASA Headquarters

ASC

NASA

J. Jones

J. Trombka

2.3.1 Subject: Preparing inputs for Apollo In-flight PDP.

2.4 October 14-15, 1965 - MSC

ASC

NASA

R. Robson

T. Kloves

2.4.1 Subject: To discuss ASC inputs to MSC for Lunar Orbital Survey Study.

2.5 October 17-19, 1965 - Washington, D. C.

ASC

P. Bock

2.5.1 Subject: To attend Gemini Experiments Symposium.

2.6 October 17-20, 1965 - MSC

ASC

B. Paulding
R. Vickers

2.6.1 Subject: To attend Remote Sensor Coordinating Meeting.

2.7 October 18-20, 1965 - MSC and San Diego, Calif.

ASC

H. Goldman

2.7.1 Subject: Attendance at the Remote Sensor Coordinating Meeting-AAP

2.8 October 26-28, 1965, NASA Headquarters

ASC

J. Jones

2.8.1 Subject: Preparing inputs for Apollo In-Flight PDP.

2.9 October 29, 1965 - Boise, Idaho

ASC

B. Paulding

2.9.1 Subject: To evaluate craters of the moon. National monument as a possible site for the aircraft remote sensor program.

2.10 October 27, 1965 - JPL

ASC

M. Stein

C. Stone

R. Vickers

2.10.1 Subject: To attend IR Team Meeting on early AAP flights.

3. Documents Submitted

3.1 Report of Radar Team Meeting

3.2 Revised drafts of position papers on radiation, micrometeorite hazards, site selection.

3.3 Schedule, cost and program information compilation for experiments, OSSA "Schedules and Budgetary Information".

3.4 Summary of In-Flight Experiment Submittals.

3.5 Preliminary Geological Analysis of Lunar Orbital
Sensors, Technical Memorandum-12

3.6 Checkout of Apollo Application Program Experiments,
Technical Memorandum-13

4. Expenditures

Anticipated funding to cover expenditures through 9/30/65
have been received under our proposal 65-877W. We currently are
anticipating a renewal funding on proposal 65-1059W, submitted
7/23/65.

Respectfully submitted,

IIT Research Institute



C. A. Stone, Director
Astro Sciences Center

